FFA Agricultural Proficiency Awards
www.ffa.org
National FFA Organization
6060 FFA Drive
Indianapolis, IN, 46268

Agricultural Mechanics Energy Systems - Placement

Example Application

FOR USE BEGINNING IN 2001

PLACEMENT
Proficiency

NEBRASKA

CHAPTER #: NE0026
STATE: NE
Member ID # 111111111

Place Label Here

AGRICULTURAL MECHANICS ENERGY SYSTEMS

Name of Proficiency Award Area

1. Name: Richard Bartos
2. Date of Birth: 10/07/1985 3. Age: 18
4. Gender: X Male ____ Female 5. Social Security #: 111-11-1111
6. Address: (street/R.R./box no.) 1610 Somewhere Ave.
   City: Somewhere State: Nebraska Zip: 66666
7. Home Telephone number (including area code): (555) 555-1111
8. Name of Parents/Guardians 9. List Parents/Guardians Occupation Below:
   a. Father: Rick Bartos — Mechanic/Business Owner
   b. Mother: Patty Bartos — Bank Teller
10. Complete FFA Chapter Name: Somewhere FFA
11. Name of High School: Somewhere Community School
12. School Address: (street/RR./box no.) 1609 Somewhere Ave.
    School City: Somewhere State: Nebraska School Zip: 66666
13. School Telephone Number (including area code): (555) 555-2222
14. Chapter Advisor(s): Mr. Ronald J. Sukup
15. Year FFA Membership Began: 2000
16. Years of Agricultural Education Completed: 4
17. Years of Agricultural Education Offered (grades 7-12) in high school last attended: 6
18. Year in school at time of applying for the award: Senior
19. If you have graduated from the high school, year graduated:
20. State/National Dues paid? NO ____ YES X

We have examined this application and find that the records are true, accurate, and complete. We hereby permit for publicity purposes, the use of any information included in this application with the exception of the following:

Candidate Signature

Parent or Guardian Signature

In addition, we certify the applicant has achieved a satisfactory record of scholastic achievement.

Chapter Advisor Signature

Superintendent or Principal Signature
(indicate which)

The information contained in this application has been substantiated by an actual visit to the site of the applicant's supervised agricultural experience program.

Employer Signature (if applicable)

State Supervisor, Ag Ed, Signature

NOTICE: This application will not be returned by the National FFA Organization. Please make a copy for your records.

I. Performance Review

A. Getting Started in this activity: (15)

1. Briefly describe your SAE as it is related to this proficiency area. Describe how you started in this proficiency area. What interested and motivated you to begin?

My SAE has been entirely spent in one area, mechanics. I became very active in this area at a young age. My father has been a mechanic ever since I was little. I was always taking things apart, even things that I wasn't supposed to. As I grew up, I spent more and more time at the shop. I learned the general sizes of bolts and the correct wrenches to take them off with. Soon I was past simple bolt sizes and started to learn about things such as torque specifications and clearances. When my father thought I was mature enough, he started to encourage me to assist him with repairs on customer's machinery at his shop. I learned the simple things first, such as oil changes, filters, and general tune-ups. I have always had a strong push from my father to further develop my mechanical skills. I was shown how to work on all aspects of tractors, from electrical components to actual engine and drive train repairs. As I developed more skills in the mechanical area, I started working on other things besides cars and trucks. I realized that a lot of the skills that I acquired from repairing cars also related to tractors and irrigation engines. Through the years I have been fortunate to learn so many things from my father. I now feel comfortable working on a variety of different projects at the shop ranging from small engine repair to vehicle engine overhauls.

2. When you were planning your supervised agricultural experience in this proficiency area, what 2 or 3 goals and objectives did you plan to achieve at this point in your development?

I have always wanted to gain experience in the automotive and agriculture repair industry. From a very young age I was always curious about different things my father was repairing. My goal at that time was to work with my father and become a successful mechanic. Under my father's close supervision, I could gain valuable knowledge, skills, and abilities that would better prepare me for a technological education in the automotive repair field. Along with this goal I wanted to be able to work on things myself. With the experience gained through time I hoped to be able to work independently on projects. In the future I want to work without my father's supervision on most challenges. We would accomplish less as a team working on one car than working as two people on two different projects. This goal helped my proficiency by maintaining my focus on becoming a self-reliant mechanic.
Gaining skill and efficiency is my second goal. I want to be able to complete projects in a reasonable amount of time, without losing any of the perfection that most jobs require. My SAE is mostly spent in the mechanical field. In order to become efficient I had to understand that all goals can be reached if you spend the appropriate amount of time trying to reach them. Through time I hope to gain more skills and use them to their full potential. Skill is not only craftsmanship but also thoroughness. Thoroughness is an important skill because in the business world making mistakes can be costly. As they say time is money, but it needs to be done right the first time.

B. Progress:

1. Describe any special advantages or disadvantages that had a major impact on your achievements in your supervised agricultural experience program.

The biggest advantage for me is having a father who has been in the business, and is willing to teach me what he knows about mechanics. He also has very loyal customers, and a nice place to work. Conditions are important when working, if you aren't comfortable you may work at a slower pace. With my father owning the business I am also able to work odd hours as they fit my schedule. My father is almost a better resource than a book, because he not only has the knowledge but also the experience. I have all the technology and correct tools at my disposal. Another advantage is all of the support I have received from my family and friends. They helped give me will power to strive for my goals. Selling parts is also a helpful skill. I have become more familiar with the correct terminology and workings of the piece I am replacing.

One disadvantage could be still receiving an education at the high school level. Being at high school and participating in extracurricular activities for most of the year reduces the free time I am able to spend at the shop concentrating on my job. High school course offerings are also very limited, where college is centered around electives supporting the area of my study. I still have a lot to learn about mechanics. Someday I hope to obtain all of the depth and experience that my father has acquired.

B. Progress (continued)

2. Briefly describe your placement in this proficiency area. (Include a description of the business/ farm, working conditions, size, number of employees, type of facilities, equipment available, etc.)

I work with my father in his mechanic shop. We work on tractors, cars, trucks, small engines, and irrigation engines. A typical year is filled with a variety of different tasks on countless different projects. We do everything from general repairs to major engine overhauls. Even small, less complicated jobs are handled with the utmost care and caution. We do computer scanning and electronical diagnosis. Technology is a major part of mechanics now and will continue to be in the future. The shop is heated and fully stocked with tools and equipment needed to do the job right. Without the correct tools jobs can become stressful and sometimes require longer amounts of time to complete. Currently, my father and I are the only employees at RB's Repair. The shop is always full of tasks to accomplish which leaves no time for mistakes or negligence toward any task. I am a mechanical assistant. I clean the shop, do minor and major repairs on vehicles, try to maintain healthy customer relations, and handle a lot of the bookkeeping and invoices.

3. How has your position description and/or responsibilities changed during the time of your placement?

I have worked at becoming a mechanic ever since I was little. My father always helped me understand my fascination with machines. I love to learn about machines and the way vehicles work. I started out doing simple projects with my dad always looking over my shoulder. He helped me begin with the general maintenance of vehicles and still helps me today with major problems. As I conducted my SAE, I have learned to do more of the activities on my own. Now my father can trust me with running the shop while he is out on a service call, or out for the day. I answer business related telephone calls, keep inventory on parts, sell parts, and deal with customer problems in person. I have learned most of the tool's uses, and why it is important to use the correct tool. With all of the information that I have now, most of the jobs that I used to think were complicated have become routine tasks for me.

C. Analysis/Evaluation of Program

1. Describe your level of achievement and progress towards your goals (such as skills, scope, etc.) in this award area as related to the goals and objectives described on page 2, question 2.

Throughout my SAE I have gained a tremendous amount of experience. What I wouldn't have dreamed of working on has become another skill that I have acquired. I have been able to work hard at becoming a successful mechanic. I now have a very diverse arsenal of skills which help me get the job done right and in an efficient amount of time. Skills such as working with all of the advanced electronical equipment, or being able to understand the complexity of engines and electronical components I now commonly use on the job. I have gained my father's trust and have become independent when working on the job. With the years of practice I learned that skill is an important asset, but efficiency is a greater factor in the business world. As I grow up I realize that I have learned from my mistakes by noticing the minimal amount of return jobs. This indicates that my skills are being put to good use and that they are continuously expanding. In time the skills that I have already acquired and the skills that I hope to gain will help me to reach my full mechanical potential.

2. Describe the personal goals, educational goals, and career goals you would like to achieve in the next ten years.

One goal of mine is to attend Southeast Community College, Milford, where I have already been accepted. I plan to major in automobile technology, and diesel technology. In the end I plan to receive two associate degrees in three years. While in college I plan on returning home every summer to contribute to the business. Another goal of mine is to carry on the family business. My father has owned, operated, or worked in a repair shop for most of his life. When my father retires I hope to obtain his building, customers, and tools in order to successfully continue the business. Another goal is to be as good of a mechanic as my father is. To know all of the information he knows, and to be able to understand the simple ways to fix even the most difficult of problems is a task I would someday like to master.

II. Scope, Income and Expense Summary for : AGRICULTURAL MECHANICS ENERGY SYSTEMS

Placement and Research Experimentation Type Supervised Agricultural Experience Program (20)

Year	Major Job Title / Type of Work and/or Activities completed	Total Hours Worked Unpaid (A)	Paid (B)	Total (C)*	Gross Earnings (D)	Total Expenditures (E)	Net Earnings (F)**
Mo/Day/Yr	Maintain, Organize, and Clean Shop	0.0	107.0	107.0	$535	$0	$535
06/01/2000 to	Customer relations and repair	0.0	374.0	374.0	$1,870	$0	$1,870
Dec. 31	Restoring 351 Windsor Engine	26.0		26.0	$0	$0	$0
2000	Spring Maintenance on Irr. Motors	7.0		7.0	$0	$0	$0
(Year)	Overhaul Snowmobile Engine	16.5		16.5	$0	$0	$0
	Tune-Ups on Company Trucks	13.0		13.0	$0	$0	$0
Totals for Year 1		62.5	481.0	543.5	$2,405	$0	$2,405
	Maintain, Organize, and Clean Shop	0.0	225.0	225.0	$1,125	$0	$1,125
Jan 1, to	Customer relations and repair	0.0	772.0	772.0	$3,860	$0	$3,860
Dec. 31	Installed Motor Vehicle Lift	8.5		8.5	$0	$0	$0
2001	Spring Maintenance on Irr. Motors	6.5		6.5	$0	$0	$0
(Year)	Irrigation Pivot Repair	4.5		4.5	$0	$0	$0
	Tune-Ups on Company Trucks	27.0		27.0	$0	$0	$0
Totals for Year 2		46.5	997.0	1043.5	$4,985	$0	$4,985
	Maintain, Organize, and Clean Shop	0.0	185.5	185.5	$928	$0	$928
Jan 1, to	Customer relations and repair	0.0	786.5	786.5	$3,933	$0	$3,933
Dec. 31	Insulated and Tinned Roof on Shop	52.0		52.0	$0	$0	$0
2002	Spring Maintenance on Irr. Motors	6.5		6.5	$0	$0	$0
(Year)	Restoring 351 Clevland Engine	29.5		29.5	$0	$0	$0
	Tune-Ups on Company Trucks	27.0		27.0	$0	$0	$0
Totals for Year 3		115.0	972.0	1087.0	$4,860	$0	$4,860
	Maintain, Organize, and Clean Shop		309.0	309.0	$1,545	$0	$1,545
Jan 1, to	Customer relations and repair		905.0	905.0	$4,525	$0	$4,525
Dec. 31	Restoring a 1971 VW Dunebuggy	34.0		34.0	$0	$0	$0
2003	Spring Maintenance on Irr. Motors	7.0		7.0	$0	$0	$0
(Year)	Insulated and Tinned Roof on Shop	36.0		36.0	$0	$0	$0
	Tune-Ups on Company Trucks	27.0		27.0	$0	$0	$0
Totals for Year 4		104.0	1214.0	1318.0	$6,070	$0	$6,070
				0.0			$0
Jan 1, to				0.0			$0
Dec. 31				0.0			$0
2004				0.0			$0
(Year)				0.0			$0
				0.0			$0
Totals for Year 5		0.0	0.0	0.0	$0	$0	$0
				0.0			$0
Jan 1, to				0.0			$0
Dec. 31				0.0			$0
2005				0.0			$0
(Year)				0.0			$0
				0.0			$0
Totals for Year 6		0.0	0.0	0.0	$0	$0	$0
GRAND TOTALS **Year (1+2+3+4+5+6)**		328	3,664	3,992	$18,320	$0	$18,320

* Columns (A) plus (B) = (C) ** Columns (D) minus (E) = (F)

III. Balance Sheet

ASSETS & INVESTMENTS	Beginning Value on Date Entered Ag (A)	Ending Value at End of Last Completed Record Year (B)
1. Current/Operating Assets		
a. Cash on-hand, checking and savings	$1,627	$3,808
b. Cash value - bonds, stocks, life insurance	$0	$7,900
c. Notes & accounts receivable	$0	$0
d. Total Current/Operating Inventory (all other current assets)	$0	$0
2. Total Current/Operating Assets (1a+1b+1c+1d)	$1,627	$11,708
3. Non-Current/Capital Assets	$0	$1,100
4. Total Assets (2+3)	$1,627	$12,808

LIABILITIES		
5. Current/Operating Liabilities (notes payable)	$0	$0
6. Non-Current/Capital Liabilities	$0	$0
7. Total Liabilities (5+6)	$0	$0

8. NET WORTH (4 minus 7)	$1,627	$12,808

SUMMARY OF SOURCE AND USE OF FUNDS		
9. Earnings from this proficiency area	XXXXXXXXXXXXX	$18,320
10. Other SAE earning NOT from this area	XXXXXXXXXXXXX	$330
11. Earnings from non-SAE activities	XXXXXXXXXXXXX	$0
12. Income other than earnings	XXXXXXXXXXXXX	$2,200
13. Total Earnings (9+10+11+12)	XXXXXXXXXXXXX	$20,850
14. Use of Funds	XXXXXXXXXXXXX	
a. Total educational expenses	XXXXXXXXXXXXX	$523
b. Total other personal expenses	XXXXXXXXXXXXX	$12,230
15. Total use of funds (14a+14b)	XXXXXXXXXXXXX	$12,753

A. Skills (25)

List your top six placement skills and give a brief description of each one and its contribution to the success of your supervised agricultural experience program.

1.Skill Number One.

Year	Skill	Where Attained	Student Hours
00-03	Understanding and repairing Hydraulic Systems	RB's Repair	254

Description of Skill:

I work on many different types of hydraulic systems ranging form basic cylinders to orbital motors and various other drive systems. All hydraulics must have some source of power such as a motor connected to a pump which in turn creates pressure to operate a cylinder. Every pump has a certain operating pressure which I can check with a gauge. Pressure is the main factor in the performance of the system. All hydraulic systems use valves to regulate and distribute pressure. I have changed many valves, o-rings, and hoses on various types of pumps and cylinders. There are multiple fittings and o-rings which keep fluid in and foreign material out. There are many problems that can occur with this type of power system. Leaks are the most common problem. Some leaks are internal which take me longer to diagnose and fix because I can not physically see the leak.

2. Skill Number Two.

Year	Skill	Where Attained	Student Hours
00-03	Maintenance of all types of power units.	RB's Repair	691

Description of Skill:

The maintenance and repair of power units is one of the skills I am most proud of. A diesel tractor has many different properties than a gas engine found in most vehicles. Many of the skills I have learned on tractor maintenance also apply to the diesel and propane irrigation motors. I work on all models such as John Deere, International, Allis Chalmers, and Ford. Working on tractors has taught me that even small details are important on large machines. Valve clearance and even a clean air filter can make a huge difference in the machine's performance. A clogged air filter can result in major problems such as not letting enough air into the combustion chamber which causes the engine to burn more fuel which results in overheating and a very costly repair.

3. Skill Number Three.

Year	Skill	Where Attained	Student Hours
00-03	Understanding and repairing Fuel Systems	RB's Repair	422

Description of Skill:

There are many parts of a fuel system from the injection pump to fuel injectors. My work in fuel system experience ranges from replacing the fuel filter or a clogged line to replacing injectors and injection pump. Not only do you need fuel but you need the correct fuel pressure to ensure the engine is at peak performance. The importance of timing the injection pump or lubricating the o-rings when installing fuel lines doesn't seem major, but things like this can affect the outcome of the job. On propane and natural gas engines there is a completely different fuel system. First the gas from the source is pushed through an electronical check valve which is in operation with the ignition. It then moves to a vaporizer to be converted strictly into vapor. The vapor travels to the carburetor. The carburetor regulates the amount of vapor the engine can intake. Natural gas engines are almost identical to propane only they lack a vaporizer.

A. Skills (continued) (25)

List your top six placement skills and give a brief description of each one and its contribution to the success of your supervised agricultural experience program.

4.Skill Number Four.

Year	Skill	Where Attained	Student Hours
00-03	Electronical diagnosis and repair on power units and machinery in conjunction with power units.	RB's Repair	369

Description of Skill:

The most important part of the irrigation's electrical system is all of the safety switches. Murphy switches are used to protect and control the engine. They monitor all of the fluids, temperatures, and pressures to keep the unit operational and safe without much supervision from the owner. Murphy switches and gauges must all work together in order to keep the engine running. There must be a complete circuit with the engine and pivot. This circuit prevents the engine from running without pivot function and vice versa. At the pivot tower there is a main control box with more safety switches that continues on through each tower. At each tower there are safety switches which prevent one tower from moving ahead without the rest. It is important to check wires, voltages, continuities, fuses, switches, and inspect for corrosion when troubleshooting.

5. Skill Number Five.

Year	Skill	Where Attained	Student Hours
00-03	Removing and replacing torque amplifiers, transmissions, clutches and motors in tractors, including inspection of the inside components.	RB's Repair	845

Description of Skill:

Sometimes changing the oil and filters is not enough. When you replace something as simple as a filter you must be observant and look for metal filings or other foreign materials. This could prevent a major breakdown before it occurs. When replacing something as complicated as a torque amplifier you must split the tractor in two places which helps in proper replacement and a better inspection of the tractor for faulty parts. I have replaced gears, bearings and seals that are inside the actual transmission. The process for changing gears inside a transmission is almost universal, even between a John Deere and International. I have changed many parts such as clutches on a diverse selection of tractors. Changing driveline components of machinery is a new skill that I have learned how to do in the last past five years of my job.

6. Skill Number Six.

Year	Skill	Where Attained	Student Hours
00-03	Repairing or replacing general components on tractors and farm machinery including electrical devices.	RB's Repair	332

Description of Skill:

I also have experience on small jobs such as replacing the brakes. Sometimes the little things on tractors go bad before something major. Putting on alternators, starters, regulators, and coils are everyday occurrences. A simple tune-up is one of the most common repairs. Changing a leaky gasket or the entire part is also a frequent task at the shop. There are also jobs that don't require too much fixing. Setting the timing or idle speed, or adjusting fuel systems are simple types of jobs. There are many more jobs that are every day occurances such as changing oil in the transmission, hydraulic system, and motor. With these jobs I have realized the importance of the correct oil types and viscosities. Everyday there is a different job to do from changing a fuel filter to replacing an oil pan gasket. This could also include wiring electronic blower motors for heaters, switches, and most other electronical devices found on machinery

B. Activities (25)

List your top three placement activities and give a brief description of each one and its contribution to to the success of your supervised agricultural experience program.

1.Activity Number One.

Year	Activity	Where Attained	Student Hours
00-03	Miscellaneous tractor, power unit, and small engine repairs.	RB's Repair	1863

Description of Activity:

The biggest part of my job is customer repairs. During each week I have various jobs. These jobs are always expanding my horizons. I have had to complete large jobs consisting of engine overhauls or torque amplifier replacement. In the same week I have had to change engine oil, and complete a tune-up on a mowing tractor. Tractors and diesel engines are always present at the shop. Unlike automobiles, tractors and power units are easier to replace parts, although they are much larger. Small engine repair is an activity that I have just acquired in the last 5 years. Small engines are found on all types of agricultural equipment. Small engines propose new challenges. Putting all of the microscopic parts back in the same spot with the precision necessary to make the motor run is very difficult, but is an activity I have learned to do well. I must use extreme care when working on engines.

2. Activity Number Two.

Year	Activity	Where Attained	Student Hours
00-03	Maintaining, cleaning, and organizing tools and shop.	RB's Repair	911.5

Description of Activity:

Maintaining the shop is almost an everyday project on its own. Organizing tools is a tedious job that must be done. Making sure all the tools are cleaned and put away in their spot is very important to keep the shop running smoothly. If tools are not put away they can be lost or misplaced. This creates lost time because you must look for a tool before you can finish the next job. The shop must also be maintained. This ensures that we have a safe and comfortable environment. I helped put up a new roof and insulation to keep the shop dry and warm. I also help maintain the floor. If the floor is not swept, parts and tools can be lost in the dirt. The appearance of the shop is also a direct reflection of the job you do. If you keep a dirty shop with tools scattered everywhere people might think that you might be inconsistent in your work. I feel keeping an organized shop is one of my most important responsibilities.

3. Activity Number Three.

Year	Activity	Where Attained	Student Hours
00-03	Restoring, rebuilding, and repairing all of the aspects of engines.	RB's Repair	257.5

Description of Activity:

At work I have overhauled, and fixed various types of engines, which include diesel, two cycle, propane, and gas. In my free time I enjoy restoring engines. This process includes removing the crankshaft, camshaft, and pistons among other things. I replace all the necessary parts and gaskets. Finally, I put the engine back together, using the correct torques and clearances. Through this process I have learned the importance of using the correct parts for the job, and gained an understanding of how all parts work together. This has also taught me that hard work, patience, and dedication are critical when completing these types of projects. If you get off track you may never get the project completed. Through my past experiences I have discovered that faster is not always better. Doing a job twice means you lose valuable time and resources. I have recently restored a 400 Big Block natural gas, 300 6 cylinder propane engine for irrigation motors

V. Supporting Documentation

A. Resume' (6)

Attach a one or two page resume' that includes the following sections:

a. Name/address/phone number/FFA chapter
b. Career objective
c. Education
d. FFA leadership activities /awards
e. School leadership activities/awards
f. Community leadership activities/awards
g. Professional associations
h. Other accomplishments
i. References

B. Employer or Instructor's Statement (2)

The applicant's most recent employer or agriculture instructor should evaluate and submit a maximum of one page report of the progress the student has made in developing the skills and competencies necessary for success in:
AGRICULTURAL MECHANICS ENERGY SYSTEMS

C. Supporting Pictures (10)

Submit a maximum of six photographs, no larger than 3 1/2" x 5" or 4"x 6", with a brief caption (50 words or less) for each. (The National FFA Organization reserves the right to retain and use the photographs for publicity purposes.)

D. Personal Page (2)

Attach one page of additional information, of your choice, supporting your application for this area. (i.e.. Newspaper clippings, additional statements from employer, student work, etc.)

Checklist for Agricultural Placement Proficiency Applications

Award Area: **AGRICULTURAL MECHANICS ENERGY SYSTEMS**
Name: **Richard Bartos**

Local Advisor	State Advisor	**Circle "Y" if the Statement is "YES" and "N" if the Statement is "NO".**
Y N	Y N	1. Applicant has been an active FFA member for each year covered by this application. **Cover** page**, Line 20.** (Please consult the local & state copy of membership roster for each year.)
Y N	Y N	2. Applicant has included his/her Social Security Number, **Cover** page**, Line 5**.
Y N	Y N	3. Applicant has been out of high school for no more than one year. **Cover** page**, Line 19**.
Y N	Y N	4. Applicant has graduated and has completed at least three full years of agriculture, or all of the agriculture offered at the school last attended, **Cover** page**, Line 16**. **Note:** Applicants that are still in high school at the time of applying are eligible to participate at all grade levels.
Y N	Y N	5. Applicant has in operation and has maintained records to substantiate an outstanding supervised agricultural experience program through which exhibits comprehensive planning, managerial and financial expertise, Pages 2, 3, 4, 5, 6, 7, 8, and 9.
Y N	Y N	6. The total hours that a student list on Page 4, Section II, are greater than or equal or equal to the hours listed in either the "Skills" portion of Section IV. Pages 6 and 7 or the "Activities" portion of Section IV. Page 8.
Y N	Y N	7. Applicant has included no more than a two page resume.
Y N	Y N	8. Applicant has included no more than a one page written evaluation by the most recent employer or agriculture instructor describing the progress that the applicant has made in developing the skills and competencies necessary for success within the award area in which they are applying.
Y N	Y N	9. Applicant has included a maximum of six photographs with captions containing less than 50 words each.
Y N	Y N	10. Applicant has included a maximum of one page (maximum size 8 1/2" x 11") of additional information. (This may **NOT** include the following: Video Tapes; Computer Disk; Cd ROM's; DVD's; etc.)
Y N	Y N	11. The Application is properly signed by the applicant, parent or guardian, chapter advisor, school superintendent or principal, and submitted to the State FFA Advisor.

Richard Bartos
Somewhere FFA Chapter

1610 Somewhere Ave.
Phone (555) 555-1111
E-mail rbartos@somewhere.org

Career Objective

To obtain a position in mechanics related to diesel or gas engines. I have applied and have been accepted to Southeast Community College in Milford for Automotive Technology. After college I plan to return to Somewhere and work for RB's Repair for my father.

Experience

RB's Repair Somewhere, NE
Mechanical Assistant & Bookkeeper

Vehicle Repair
General Shop Maintenance
Customer Assistance

Education

2000-2004 Somewhere Community School Somewhere, Nebraska

Cumulative GPA: 4.04

General Education Courses including: computer applications, agricultural mechanics and agriculture education

Academic letter 4 years

FFA Leadership Activities

Tractor Pull committee 2000-2003

FFA Fruit Sales – 4 years

FFA sponsored children's barnyard and petting zoo – 4 years

Attended Chapter Officer Leadership Training in Aurora

Attended State convention 4 years and National FFA Convention – 1 year

Greenhand and Chapter FFA degrees obtained

Junior and Senior parliamentary procedure – 1 year each

Qualified for State FFA in QA welding and Ag Mechanics

Runner Up in 2003 on Ag Mechanics proficiency award

School leadership activities

S-Club for 3 years
4.0 Honor roll for 4 years
Library club member – 4 years and officer 1 year
Spanish Club 4 years
Varsity wrestling – 4 years
Varsity football – 2 years

Community leadership activities

Load and unload bloodmobile for Red Cross
Volunteered to set-up new playground equipment in community park.
Referee at little kids wrestling meet.
Set-up lights and hosted for Santa Land.
Set-up the Raritan haunted house.

Professional associations

Subscribed to Motor Age
Subscribed to Car and Driver
National Rifle Association
Pheasants Forever

Other accomplishments:

Perfect attendance 01-02 school year.
My GPA is the fifth highest in my class of 44 students.

References:

Ron Sukup
Somewhere FFA Advisor
Phone: (555) 555-1122

Ed Boyle
Frequent Customer
Phone: (555) 555-1123

Ed Altamore
Somewhere Community School Guidance Counselor
Phone: (555) 555-1124

Instructor Statement
Agriculture Mechanics Energy Systems

Richard Bartos is very knowledgeable in his proficiency area. He is fortunate to be able to work closely with his father at RB's Repair. Richard is very mechanically minded, and picks up new concepts quickly. He has worked in his father's shop since he was very young, and has acquired an interest in all types of repair. Richard is notafraid to tackle any task, large or small. Their repair shop repairs anything from lawnmowers to cars, as well as tractors.

Richard has been a great asset to the FFA and Ag Ed program at Somewhere. He was a member of our Ag Mechanics team, which tied for 2nd at the 2002 State FFA Convention. Richard's variety of skills has shown in the classroom as well. He is actively involved in the FFA chapter throughout the year.

Richard plans to make a career out of this proficiency area. He ahs been accepted in the automotive program at Milford. He is looking forward to gaining more skills and technologies that can be applied when he returns to the family business. I feel that Richard is very qualified in this award area.

Ronald J. Sukup

Ronald J. Sukup

Ag Ed Instructor/FFA Advisor

VI. SUPPORTING DOCUMENTATION (continued)

C. Supporting Pictures

Richard Bartos

AGRICULTURAL MECHANICS ENERGY SYSTEMS

PHOTO #1

Billing, making a parts list, and recording hours for each job is important in maintaining a profitable business. Here I am after completing a job, recording the billing information on the computer and giving a service ticket to the customer.

VI. SUPPORTING DOCUMENTATION (continued)

C. Supporting Pictures

Richard Bartos

AGRICULTURAL MECHANICS ENERGY SYSTEMS

PHOTO #2

The organization of tools in the shop is a must. Looking for tools can be very time consuming. I strive to put tools back in the proper place to avoid wasting time. In the picture above I am organizing the tool box after a job.

VI. SUPPORTING DOCUMENTATION (continued)

C. Supporting Pictures

Richard Bartos

AGRICULTURAL MECHANICS ENERGY SYSTEMS

PHOTO #3

In this picture I am removing a hydraulic line in order to replace the torque amplifier. The tractor has just been split between the engine and transmission. International tractors are known for torque problems. This 656 will be further dismantled by removing the superstructure and then removing the actual torque.

VI. SUPPORTING DOCUMENTATION (continued)

C. Supporting Pictures

Richard Bartos

AGRICULTURAL MECHANICS ENERGY SYSTEMS

PHOTO #4

Engine rebuilding and restoration is one of my favorite hobbies.
In the picture above I am dismantling a 400 big block for restoration.
I restored the engine using all modified parts to convert this gas motor to propane.

VI. SUPPORTING DOCUMENTATION (continued)

C. Supporting Pictures

Richard Bartos

AGRICULTURAL MECHANICS ENERGY SYSTEMS

PHOTO #5

I have also gained much experience working on small engines.
Here I am shown working on a 340 Moto-Ski snowmobile.

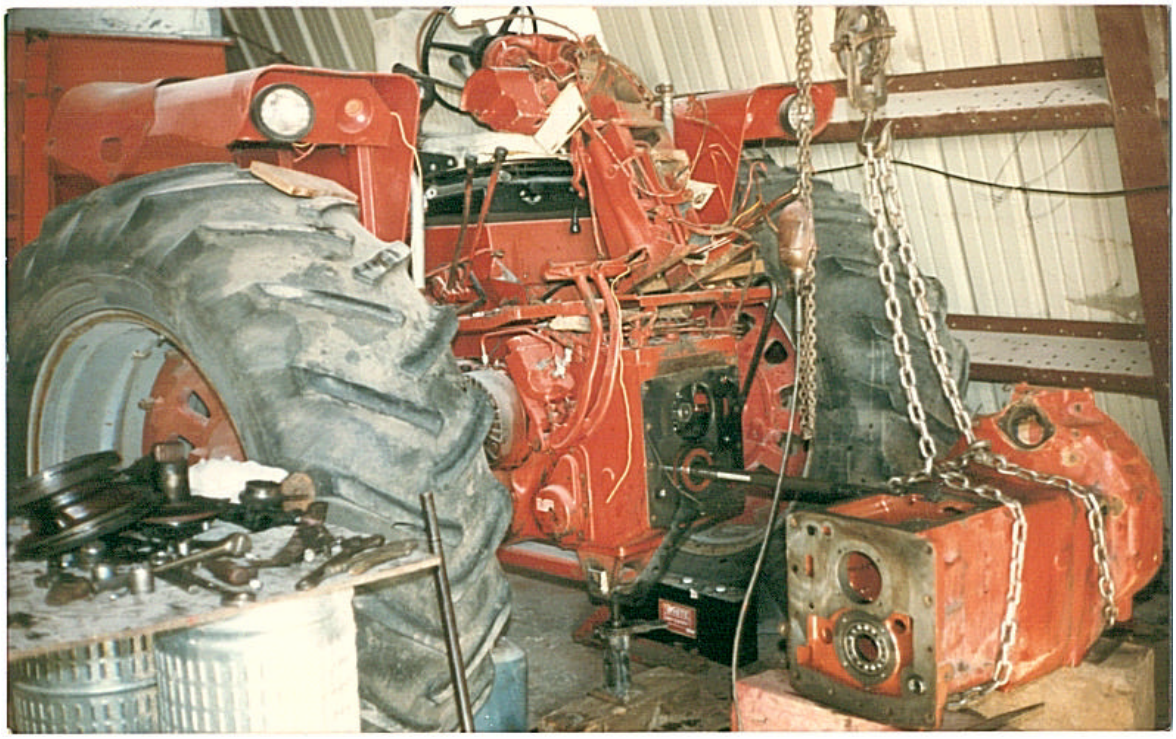
VI. SUPPORTING DOCUMENTATION (continued)

C. Supporting Pictures

Richard Bartos

AGRICULTURAL MECHANICS ENERGY SYSTEMS

PHOTO #6



This 1256 International is split in 3 pieces and the transmission has been removed. On the bench to the left you can see all of the inner gears of the transmission. I am replacing the torque with a remanufactured one. I will then put it back together with all new gaskets.

PERSONAL PAGE

UNABLE TO SCAN NEWSPAPER ARTICLE SUBMITTED WITH THE APPLICATION.